

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claim 1 in accordance with the following:

1. (CURRENTLY AMENDED) A method of recording and/or reproducing data with respect to an information storage medium having a lead-in area, a user data area, and a lead-out area, the method comprising:

detecting compatibility information from at least one of the lead-in and lead-out areas, the compatibility information allowing a drive following an older version of standards to record and reproduce data with respect to the information storage medium following a new version of standards; and

transferring data to and from the user data area in accordance with the compatibility information to make the drive of the older version of the standards compatible with the information storage medium of the new version of the standards via an application of the detected compatibility information.

2. (PREVIOUSLY PRESENTED) The method of claim 1, further comprising detecting information about an optimal writing pattern from the information storage medium when the drive follows the older version of the standards.

3. (PREVIOUSLY PRESENTED) The method of claim 1, further comprising detecting stored strategy information about which one of a multi-pulse write strategy and a single-pulse write strategy is to be used to record data, where the transferring of the data further comprises recording the data according to the stored strategy information.

4. (ORIGINAL) The method of claim 1, wherein at least one of the lead-in and lead-out areas includes a reproduction-only area, and the compatibility information is detected from the reproduction-only area.

5. (PREVIOUSLY PRESENTED) The method of claim 4, wherein the reproduction-only area is a disk control data zone, and wherein the method further comprises detecting disk-related information used to control the information storage medium from the disk control data zone.

6. (ORIGINAL) The method of claim 4, wherein the detecting the compatibility information comprises reproducing the compatibility information as one of a sum signal and a differential signal.

7. (ORIGINAL) The method of claim 1, wherein at least one of the lead-in and lead-out areas includes a recordable area, and the compatibility information is detected from the recordable area.

8. (ORIGINAL) The method of claim 7, wherein the compatibility information is reproduced as a sum signal.

9. (ORIGINAL) The method of claim 2, wherein information about the optimal writing pattern is recorded in one of the same byte as the byte in which the compatibility information is recorded and a byte different from the byte in which the compatibility information is recorded.

10. (ORIGINAL) The method of claim 9, wherein, when the information about the optimal write pattern and the compatibility information are recorded in the same byte, they are recorded in a specified byte of the lead-in area.

11. (ORIGINAL) The method of claim 1, wherein:
when 00000000b is recorded in a specified byte, the information storage medium uses an n version of a standard and is not compatible with a drive following a version of the standard older than n,

when 00000001b is recorded in the specified byte, the information storage medium uses the n version of the standard and is compatible with a drive following a version of the standard older than the n version and the optimal writing pattern is a first writing pattern type,

when 00000010b is recorded in the specified byte, the information storage medium uses the n version of the standard and is compatible with a drive following a version of the standard older than n and the optimal writing pattern is a second writing pattern type, and

when 00000011b is recorded in the specified byte, the information storage medium uses the n version of the standard and is compatible with a drive following a version of the standard older than n and the optimal writing pattern is a third writing pattern type.

12. (PREVIOUSLY PRESENTED) The method of claim 1, wherein the detecting comprises:
detecting disk-related information from a disk control data zone;
detecting information used to test the information storage medium from a disk test zone;
detecting information used to test a drive from a drive test zone; and
detecting information used to remove a defect generated on the information storage medium from a defect management zone.

13. (PREVIOUSLY PRESENTED) The method of claim 12, wherein the detecting comprises detecting first and second buffer zones in the lead in area.

14. (PREVIOUSLY PRESENTED) The method of claim 13, wherein the detecting comprises detecting a reproduction-only area and a recordable area in the lead in area.

15. (PREVIOUSLY PRESENTED) The method of claim 14, wherein the detecting comprises detecting the first buffer zone and the disk control data zone in the reproduction-only area.

16. (PREVIOUSLY PRESENTED) The method of claim 15, wherein the detecting comprises detecting the disk test zone, the drive test zone, the defect management zone, the reserved zone, and the second buffer zone in the recordable area.

17. (PREVIOUSLY PRESENTED) The method of claim 12, wherein the detecting of compatibility information comprises detecting information about writing patterns including at least one of a recording speed, a reproduction power, an initial pulse time (T_{top}) of a

recording pattern, a multi-pulse time (T_{mp}) of a recording pattern, a cooling pulse time of a recording pattern, a writing power (P_w), an erasing power (P_e), and a bias power (P_b).

18. (PREVIOUSLY PRESENTED) A method of recording and/or reproducing data with respect to an information storage medium having a lead-in area, a user data area, and a lead-out area, the method comprising:

detecting strategy information from one of the lead-in and/or lead out areas about which one of a multi-pulse write strategy and a single-pulse write strategy is used to record data onto the user data area, the detected strategy information allowing a drive following an older version of standards to record and/or reproduce data with respect to the information storage medium following a new version of standards; and

transferring data with respect to the user data area in accordance with the detected strategy information to make the drive of the older version of the standards compatible with the information storage medium of the new version of the standards via an application of the detected strategy information.

19. (ORIGINAL) The method of claim 18, wherein at least one of the lead-in and lead-out areas includes a reproduction-only area, and the strategy information is detected in the reproduction-only area.

20. (ORIGINAL) The method of claim 19, wherein the reproduction-only area is a disk control data zone which stores disk-related information used to control the information storage medium.

21. (ORIGINAL) The method of claim 19, wherein the strategy information is reproduced as one of a sum signal and a differential signal.

22. (ORIGINAL) The method of claim 18, wherein at least one of the lead-in and lead-out areas includes a recordable area, and the strategy information is recorded in the recordable area.

23. (ORIGINAL) The method of claim 22, wherein the strategy information is reproduced as a sum signal.

24. (PREVIOUSLY PRESENTED) A method of recording and/or reproducing data with respect to an information storage medium having a lead-in area, a user data area, and a lead-out area, the method comprising:

detecting information from one of the lead-in and/or the lead-out areas about an optimal writing pattern used to record data onto the user data area, the detected information allowing a drive following an older version of standards to record and/or reproduce data with respect to the information storage medium following a new version of standards; and

transferring data with respect to the user data area in accordance with the detected information to make the drive of the older version of the standards compatible with the information storage medium of the new version of the standards via an application of the detected information.

25. (ORIGINAL) The method of claim 24, wherein at least one of the lead-in and lead-out areas includes a reproduction-only area, and the information about the optimal writing pattern is detected from the reproduction-only area.

26. (ORIGINAL) The method of claim 25, wherein the reproduction-only area is a disk control data zone included in the lead-in area to store disk-related information.

27. (ORIGINAL) The method of claim 25, wherein the information about the optimal writing pattern is reproduced as one of a sum signal and a differential signal.

28. (PREVIOUSLY PRESENTED) The method of claim 24, wherein at least one of the lead-in and lead-out areas includes a recordable area, and wherein the information about the optimal writing pattern is recorded in the recordable area.

29. (ORIGINAL) The method of claim 28, wherein the lead-in area includes a recordable reserved area, and the information about the optimal writing pattern is recorded in the recordable reserved area.

30. (ORIGINAL) The method of claim 28, wherein the information about the optimal writing pattern is reproduced as a sum signal.

31. (ORIGINAL) The method of claim 24, wherein the information about the optimal writing pattern is recorded as a combination of bits.

32. (ORIGINAL) The method of claim 24, wherein the information about the optimal writing pattern is recorded together with information about a recording speed of the information storage medium.

33. (PREVIOUSLY PRESENTED) A method of recording information on an information storage medium, comprising:
forming a lead-in area;
forming a user data area;
forming a lead-out area; and
recording, in at least one of the lead-in and lead-out areas, compatibility information about whether the information storage medium is compatible with a drive following a version of standards older than that of the information storage medium, information about which one of a multi-pulse write strategy and a single-pulse write strategy is used to record data, and information about an optimal writing pattern so that the information is detectable and transferable from and to the recording medium in accordance with the information.

34. (PREVIOUSLY PRESENTED) A method of increasing a data recording speed to a recordable information storage medium, comprising:
forming a lead-in area;
forming a user data area;
forming a lead-out area; and
recording, in at least one of the lead-in and lead-out areas, one of compatibility information about whether the information storage medium is compatible with a drive following a version of standards older than that of the information storage medium, information about which one of a multi-pulse write strategy and a single-pulse write strategy is used to record data, and information about an optimal writing pattern so that the information is detectable and transferable from and to the recording medium in accordance with the information.

35. (CANCELLED)